



深圳市亿嘉欣盛科技有限公司

Shenzhen YiJiaXinSheng Technology Co., Ltd.

Product Specification

Customer: SDMC

MaterielCode:

Product: DM8261

Specification: L*W:45.57*9.03mm, Black, The 3th generation IPEX terminals,

Line diameter 0.81mm black

Date : Feb-21-2019

Customer confirmation/date

Address: 1-2 Floor, 1 Shajing Road, Shajing Street, Baoan District, Shenzhen

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1. Summary of Specifications

The specification describes the antenna condition of SDMC DM8261. Its frequency band is 2.4G/5GHz. The manufacturer is Shenzhen YiJiaXinSheng Technology Co., Ltd.

2. Appearance

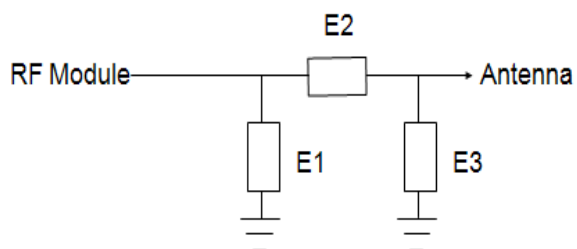


3. Electrical properties

3.1 Antenna band

TX/RX band(GHz)	WIFI	
	2.4G~2.5G	5.15G~5.85G

3.2 Matching circuit



Element	Value
E1(0402)	-
E2(0402)	0 Ω
E3(0402)	-

3.3 Impedance requirements

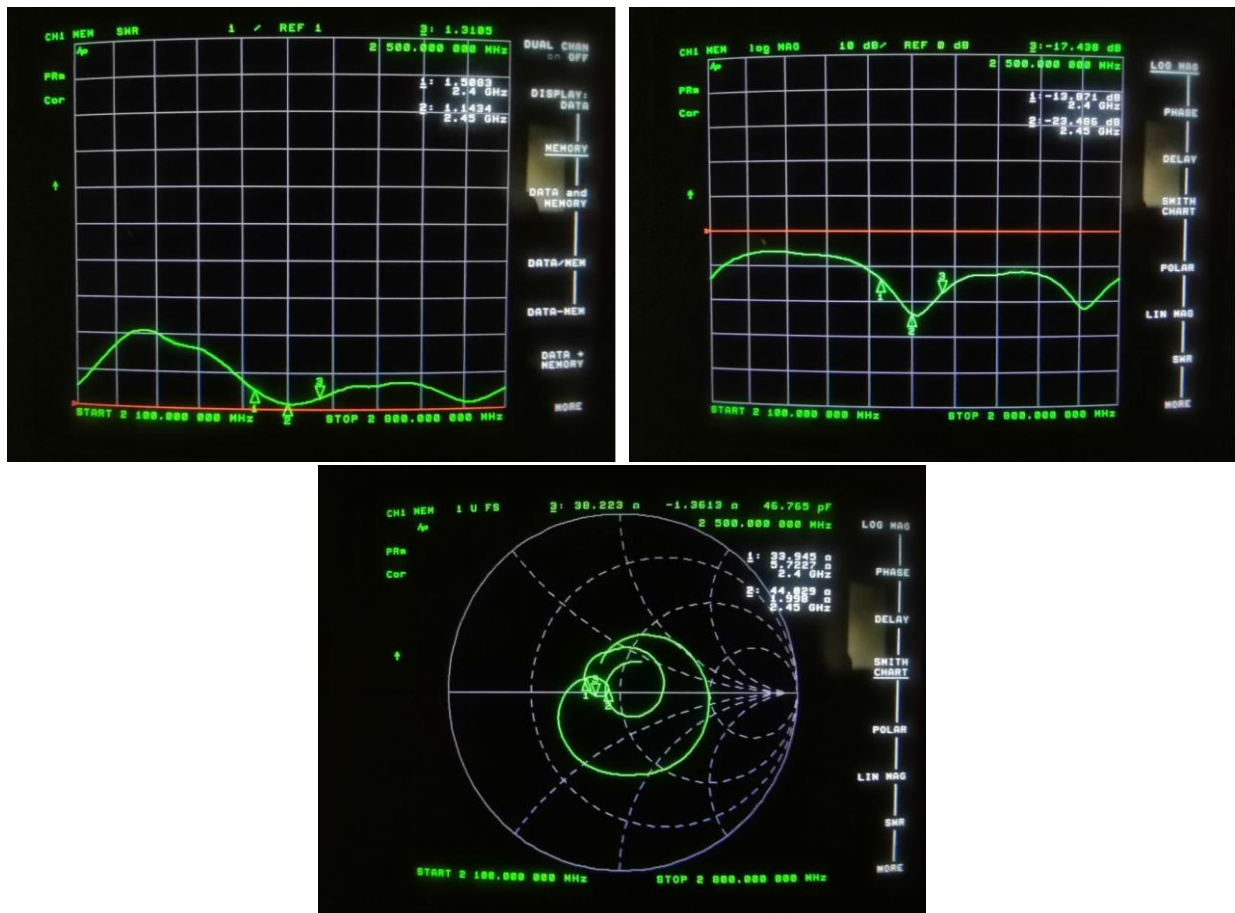
50 ohm

3.4 Antenna Passive Test Data:

2.4G Electrical Performance Test Data:

Electrical Properties	
Frequency	2.4GHz-2.5GHz
Impedance	50 ohm Nominal
V. S. W. R	1: 1.14 Max
Return Loss	-23.48dB Max
Radiation	Omni-directional
Polarization	Linear, Vertical

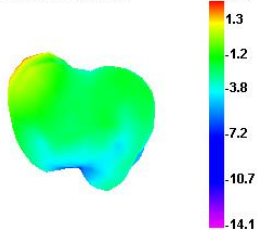
VSWR&Return Loss&Smith Chart:



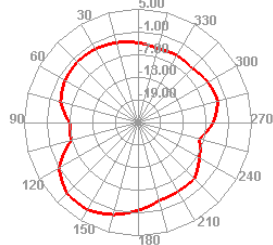
Efficiency, Gain and Direction:

Passive Test For wifi 2.4G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2400	64.42	-2.57	2.73	0.58	2.73	-16.12
2440	65.88	-2.31	2.84	0.69	2.84	-15.65
2500	63.21	-2.83	2.61	0.46	2.61	-17.79

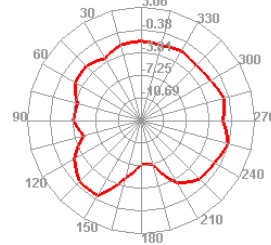
2400.000MHz



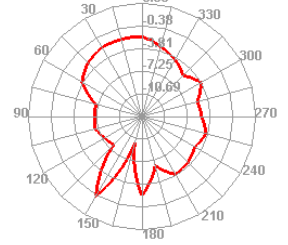
2400.000MHz H



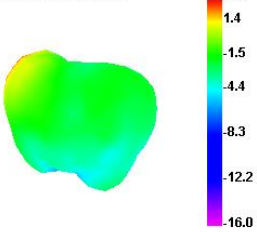
2400.000MHz E1



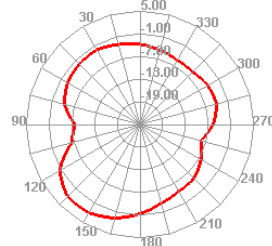
2400.000MHz E2



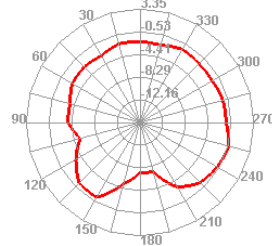
2440.000MHz



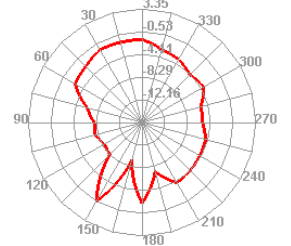
2440.000MHz H



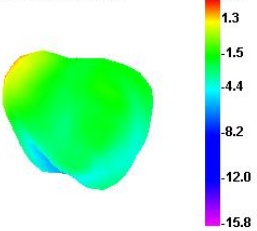
2440.000MHz E1



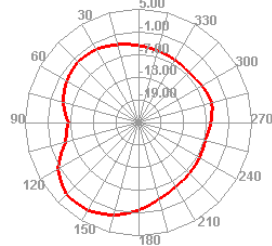
2440.000MHz E2



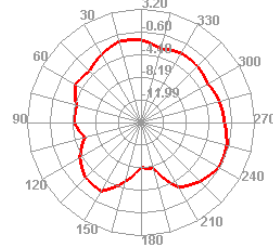
2500.000MHz



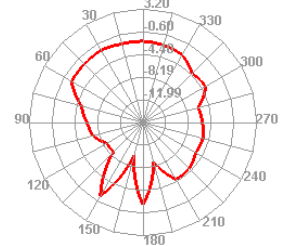
2500.000MHz H



2500.000MHz E1



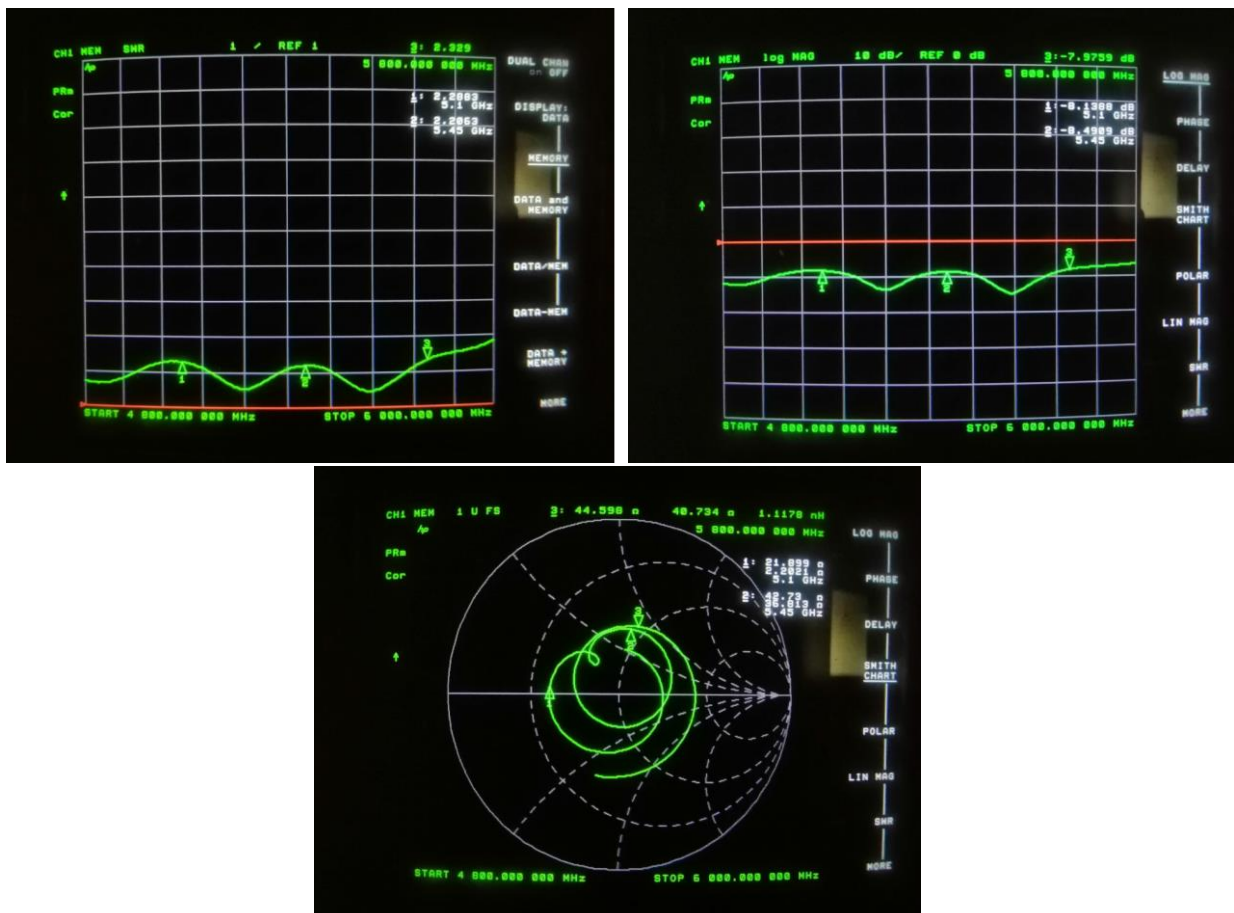
2500.000MHz E2



5G Electrical Performance Test Data:

Electrical Properties	
Frequency	5.1GHz-5.9GHz
Impedance	50 ohm Nominal
V. S. W. R	1: 2.20 Max
Return Loss	-8.49dB Max
Radiation	Omni-directional
Polarization	Linear, Vertical

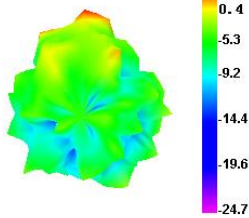
VSWR&Return Loss&Smith Chart:



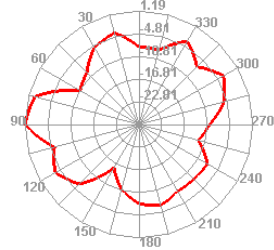
Efficiency, Gain and Direction:

Passive Test For wifi 2.4G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
5100	64.52	-5.26	3.04	0.89	3.04	-17.14
5500	65.88	-5.21	2.92	0.77	2.92	-18.37
5900	65.31	-4.32	2.93	0.78	2.93	-18.49

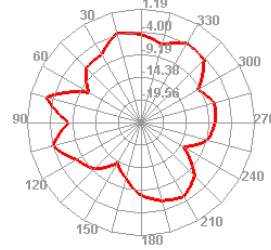
5100.000MHz



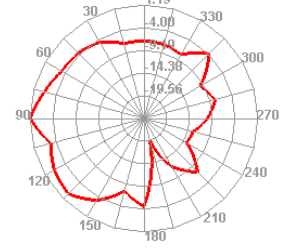
5100.000MHz H



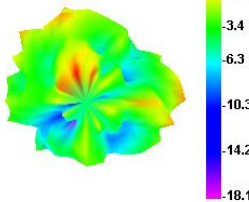
5100.000MHz E1



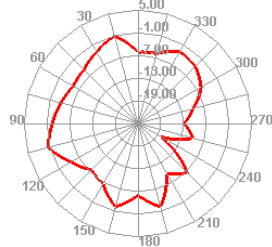
5100.000MHz E2



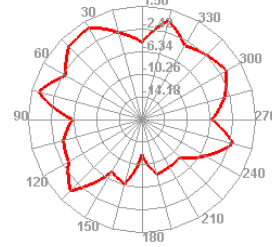
5500.000MHz



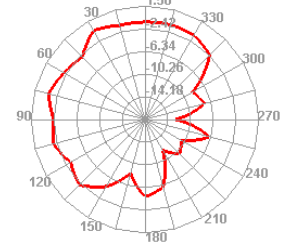
5500.000MHz H



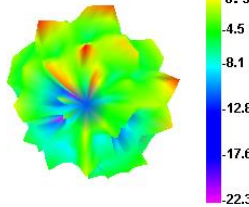
5500.000MHz E1



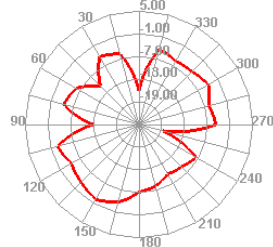
5500.000MHz E2



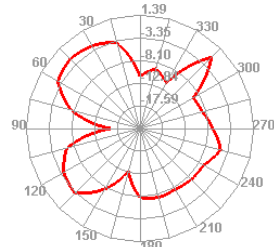
5900.000MHz



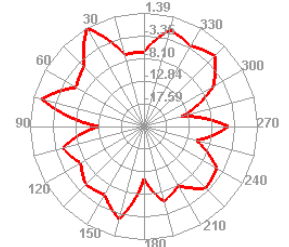
5900.000MHz H



5900.000MHz E1



5900.000MHz E2



4. The Position of Antenna in the Whole Machine



5. antenna structure

